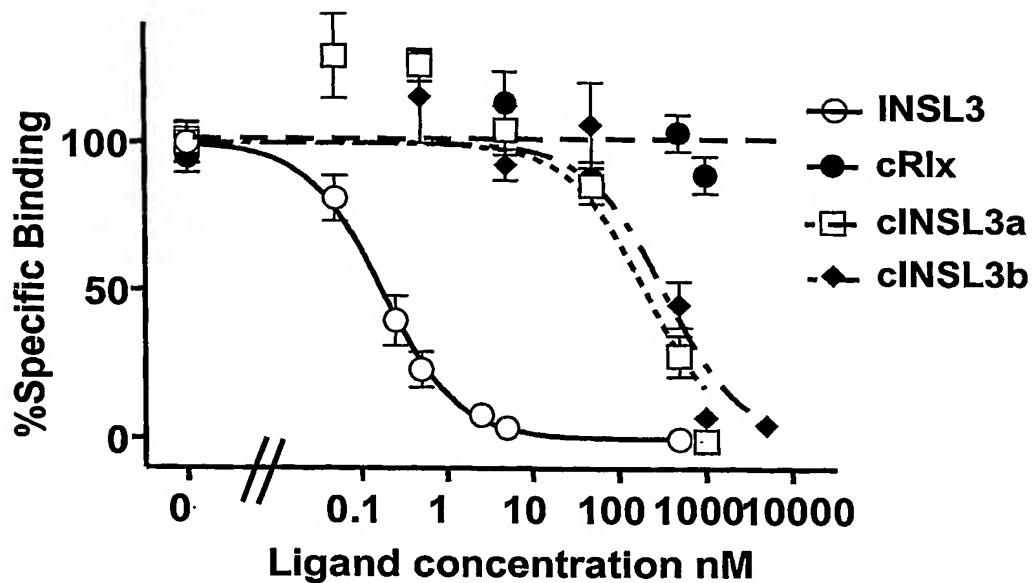


# Figure 1

## LGR8 stably transfected 293T cells



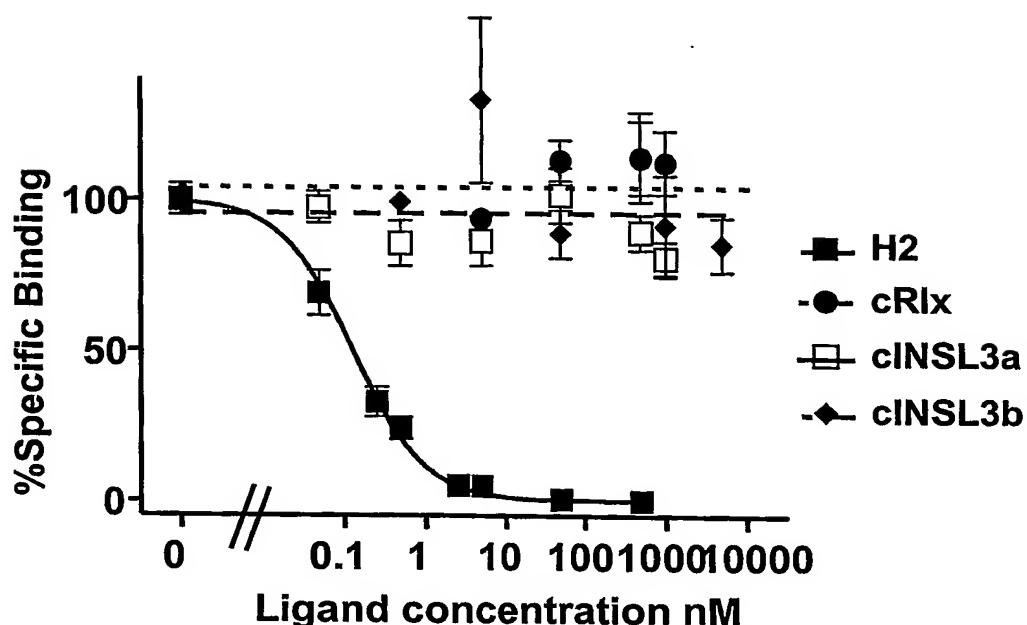
LGR8 pEC<sub>50</sub>(n=3 to 4)

GB- 0

GBII - -6.79 ± 0.27   } ns  
GBIII - -6.26 ± 0.23   }

## Figure 2

### LGR7 stably transfected 293T cells



LGR7 pEC<sub>50</sub> (n=3 to 4)

H2 -10.04±0.37

CRIx -0

cINSLaII - 0

cISNLb - 0

## Sequences of relaxin superfamily B-chain peptide analogues

relaxin	DSMEEVIKLCGRELVRAQIAICGMSTWS	
INSL3 B-chain	PTPEMREKLCGHHFVRALVRVCGGPRWSTEAA SCMEEVIKLSGRELVRAQIAISGCS	[ ] [ ]
cRLX		[ ]
cINSL3a		[ ]
cINSL3b		[ ]

Figure 3

Figure 4

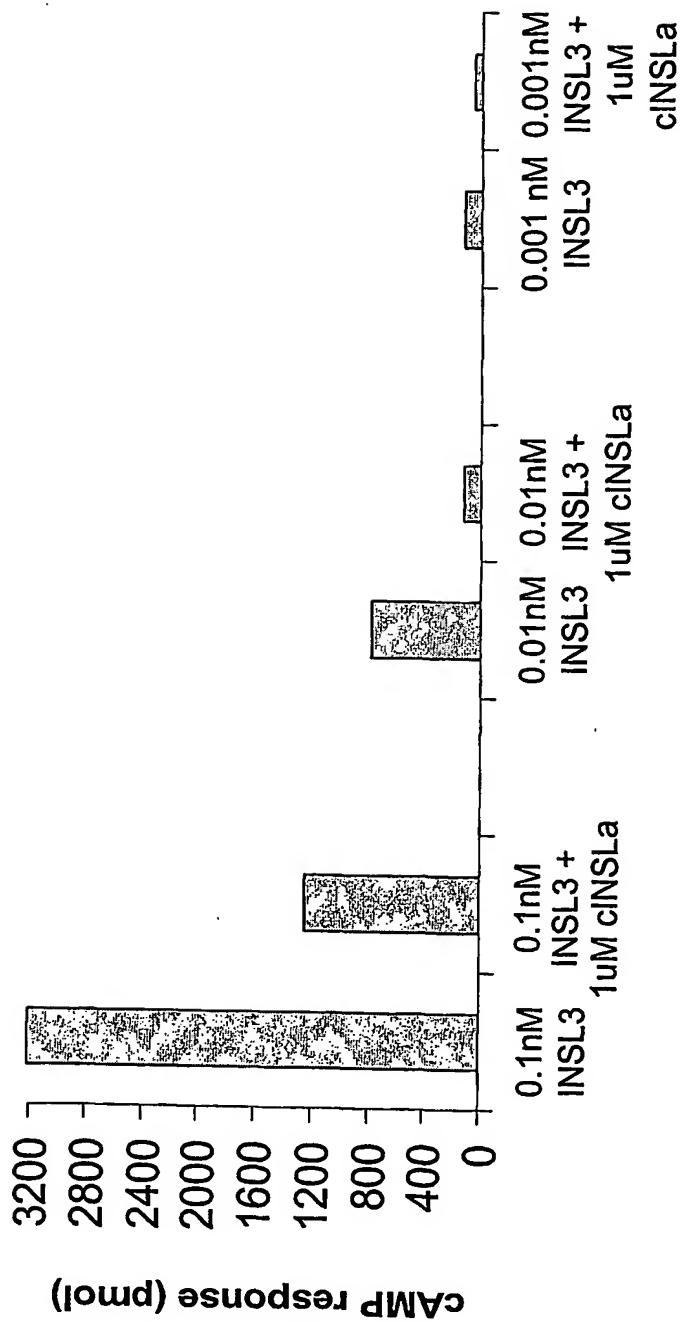
**Antagonism of INSL3 at LGR8 by cINSL3a**

Figure 5

**CD spectra of cINSLa in various solvents**

